Resource Summary Report

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Texas A and M University Soft Matter Core Facility

RRID:SCR_022482
Type: Tool

Proper Citation

Texas A and M University Soft Matter Core Facility (RRID:SCR_022482)

Resource Information

URL: https://somf.engr.tamu.edu/

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Description: Facility is focused on characterization of multifunctional soft materials. Includes four instrumentation suites based on soft matter centered research areas which will be unified by general theme of characterization of hierarchically structured multicomponent, multifunctional soft materials: Molecular Characterization, Processing and Mechanics, Thin Films and Interfacial Analysis, and Nanostructure Characterization.

Abbreviations: SoMF

Synonyms: Texas A&M University Soft Matter Facility, Soft Matter Facility

Resource Type: core facility, service resource, access service resource

Keywords: USEDit, ABRF, multifunctional soft materials characterization

Resource Name: Texas A and M University Soft Matter Core Facility

Resource ID: SCR_022482

Alternate IDs: ABRF_1455

Alternate URLs: https://coremarketplace.org/?FacilityID=1455&citation=1

Record Creation Time: 20220614T050142+0000

Record Last Update: 20260731T043125+0000

Ratings and Alerts

No rating or validation information has been found for Texas A and M University Soft Matter Core Facility.

No alerts have been found for Texas A and M University Soft Matter Core Facility.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 26 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Taherzadeh R, et al. (2025) Establishing a Xanthan Gum-Locust Bean Gum Mucus Mimic for Cystic Fibrosis Models: Yield Stress and Viscoelasticity Analysis. Biomimetics (Basel, Switzerland), 10(4).

Dixon DT, et al. (2025) Hybrid Chitosan/PCL Shape Memory Scaffolds with Potential for Bone Regeneration and Infection Resistance. ACS biomaterials science & engineering, 11(9), 5627.

Fox E, et al. (2025) Revealing the Effect of Pendant Identity on the Electrochemistry of Non-Conjugated Redox Active Polymers. ChemSusChem, 18(20), e202501121.

Avais M, et al. (2025) Redox-active polymer-grafted particles as redox mediators for enhanced charge transport in solution-state electrochemical systems. Chemical science, 16(19), 8357.

Smith DL, et al. (2025) Fire Resistant Adhesive from Chitosan. Biomacromolecules, 26(2), 1141.

Li SG, et al. (2025) A bioinspired and degradable riboflavin-containing polypeptide as a sustainable material for energy storage. Proceedings of the National Academy of Sciences of the United States of America, 122(26), e2509325122.

Das S, et al. (2025) Polysulfamates as "Macroisosteres" of Polyurethanes with Improved Degradability. Angewandte Chemie (International ed. in English), 64(39), e202510841.

Fisher SG, et al. (2025) Biopolymer and Carnauba Wax Coating for Improved Paper Oxygen Barrier, Water Vapor Barrier, and Grease Resistance. ACS applied materials & interfaces, 17(39), 55307.

Montemayor MD, et al. (2025) Polyelectrolyte Complex Coacervate Adhesive for Wearable Medical Devices. Macromolecular rapid communications, 46(15), e2500117.

Tsai CC, et al. (2025) Rational Design of Ionomer Microstructures for Thermally Reprocessable Materials with Creep Resistance and Recoverability. JACS Au, 5(12), 6324.

Banavath R, et al. (2025) Hydrocarbon-Derived Prenetworked Carbon Nano-Onions for Wearable and Flexible Printed Microsupercapacitors. ACS applied materials & interfaces, 17(23), 34494.

Zhang Y, et al. (2025) Electroplating Carbon Nano-Onion on Copper for Dendrite-Free and Anode-Free Zinc-Ion Batteries. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e10617.

Schoonover KG, et al. (2024) Bridging polymer architecture, printability, and properties by digital light processing of block copolycarbonates. Chemical science, 15(35), 14228.

Tran TQ, et al. (2024) 3D Printed Carbon Nanotube/Phenolic Composites for Thermal Dissipation and Electromagnetic Interference Shielding. ACS applied materials & interfaces, 16(50), 69929.

Shirani Bidabadi B, et al. (2024) Engineering the Crystalline Architecture for Enhanced Properties in Fast-Rate Processing of Poly(ether ether ketone) (PEEK) Nanocomposites. ACS applied engineering materials, 2(8), 2038.

Starvaggi NC, et al. (2024) Double emulsion microencapsulation of ionic liquids for carbon capture. Materials horizons, 11(23), 6057.

Hancock SN, et al. (2023) Ring-opening metathesis polymerization of N-methylpyridinium-fused norbornenes to access antibacterial main-chain cationic polymers. Proceedings of the National Academy of Sciences of the United States of America, 120(51), e2311396120.

Kempel SJ, et al. (2023) cis-Selective Acyclic Diene Metathesis Polymerization of ?,?-Dienes. Journal of the American Chemical Society, 145(23), 12459.

Ma T, et al. (2023) The role of the electrolyte in non-conjugated radical polymers for metal-free aqueous energy storage electrodes. Nature materials, 22(4), 495.

Starvaggi NC, et al. (2023) Wettability-tuned silica particles for emulsion-templated microcapsules. Soft matter, 19(39), 7635.